

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(perpendicular and magnetic and recording and second and (undercoat or undercoating or underlayer) and (crystal or grain) and boundary and boride).clm.	US-PGPUB; USPAT	OR	ON	2006/04/21 13:18

*Interference  
Search*

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(perpendicular and magnetic and recording and second and (undercoat or undercoating or underlayer) and (crystal or grain) and boundary and boride).cim.	US-PGPUB; USPAT	OR	ON	2006/04/21 13:20
L2	1289	(428/694T or 428/694TS or 428/828 or 428/831 or 428/831.2 or 428/836.2 or 428/611).ccls.	US-PGPUB; USPAT	OR	ON	2006/04/21 13:22
L3	72	(428/836.3).ccls.	US-PGPUB; USPAT	OR	ON	2006/04/21 13:26
L4	2	(I2 or I3) and (boride with boundary) and (boride same (crystal or grain))	US-PGPUB; USPAT	OR	ON	2006/04/21 14:07
L5	996	(335/302 or 148/302).ccls.	US-PGPUB; USPAT	OR	ON	2006/04/21 14:06
L6	12	(I5) and (boride with boundary) and (boride same (crystal or grain))	US-PGPUB; USPAT	OR	ON	2006/04/21 14:07
S1	3	perpendicular and "magnetic recording" and (second with (undercoat or undercoating or underlayer)) and (crystal same (grains and boundary and carbide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 15:22
S2	8	perpendicular and "magnetic recording" and (undercoat or undercoating or underlayer) and (crystal same (grains and boundary and carbide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 15:40
S3	5	S2 not S1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 15:22
S4	16	"magnetic recording" and (undercoat or undercoating or underlayer) and (crystal same (grains and boundary and carbide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 15:42
S5	8	S4 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:50
S6	8	("0224865" or "0725") and Watanabe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:52
S7	0	("0210701" or "0706") and Nakazawa	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:53

## EAST Search History

S8	7	2002-025030	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:54
S9	1	2003-036525	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:55
S10	2563	watanabe and sakai	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:55
S11	0	S1 and fuji and "perpendicular magnetic"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:56
S12	43	S10 and fuji and "perpendicular magnetic"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:56
S13	17	S12 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:57
S14	6	S13 and oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 17:39
S15	9	"151204" and magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 19:16
S16	36	"5792564" or "5942342"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 20:57
S17	7	("5792564" or "5942342") and carbide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 20:57
S18	3	"2005006310"	DERWENT	OR	OFF	2005/10/06 15:03
S19	3	"2004038083"	US-PGPUB; DERWENT	OR	OFF	2005/10/06 15:03
S20	0	"2004038083"	US-PGPUB	OR	OFF	2005/10/06 15:03
S21	1	"20040038083"	US-PGPUB	OR	OFF	2005/10/06 15:04
S22	6	"6231968"	US-PGPUB; USPAT	OR	OFF	2005/10/06 15:06

## EAST Search History

S23	0	S22 and carbonate	US-PGPUB; USPAT	OR	OFF	2005/10/06 15:05
S24	0	"2002136926"	US-PGPUB; USPAT	OR	OFF	2005/10/06 15:06
S25	1	"20020136926"	US-PGPUB; USPAT	OR	OFF	2005/10/06 15:07
S26	14	"5759681"	US-PGPUB; USPAT	OR	OFF	2005/10/06 15:07
S27	2221	428/694T or 428/694TS or 428/828 or 428/831 or 428/831.2 or 428/836.2 or 428/611	US-PGPUB; USPAT	OR	OFF	2005/10/12 14:56
S28	31	S27 and perpendicular and "magnetic recording" and (second with (undercoat or undercoating or underlayer)) and (grains and boundary and carbide)	US-PGPUB; USPAT	OR	ON	2005/10/12 15:47
S29	4	(magnetic with recording) and (boride with boundary) and (boride same grain) and (undercoat\$ or underlayer or "under coating" or "under layer")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 22:07
S30	248	(boride with boundary) and (boride same (crystal or grain))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 22:09
S31	47	S30 and magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 22:11
S32	2	"20040191466"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 22:11
S33	13997	"428"/\$ and magnetic and glass	USPAT	OR	OFF	2006/04/20 09:38
S34	18	S33 and falasco	USPAT	OR	OFF	2006/04/20 09:38